

TECHNICAL DATA SHEET

hilite Oxygenators and Reservoirs

Hilite oxygenators and reservoirs for cardiopulmonary bypass are available in three sizes, for adult, pediatric and infant patients, also in different configurations as modules or as system with adapted hard shell reservoir. The wide range of accessories offers full flexibility to the user by highest safety.



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Technical Data

	hilite 7000	hilite 2800	hilite 1000
Oxygenators			
Blood flow rate	1 - 7 l/min	0.4 - 2.8 l/min	0.15 - 1.0 l/min
Static priming volume	320 ml	98 ml	57 ml
Gas exchanger			
Material	microporous PP fiber	microporous PP fiber	microporous PP fiber
Surface	1.9 m ²	0.8 m ²	0.39 m ²
Heat exchanger			
Material	PET	PET	PET
Surface	0.45 m ²	0.16 m ²	0.074 m ²
Port configuration:			
Blood in-/ outlet	3/8"	1/4"	1/4"-3/16"
Gas in-/ outlet	1/4", 3/8"	1/4", 3/8"	1/4"
Water in-/ outlet	3/8" hansen coupling	1/4" hansen coupling	1/4" hansen coupling
Recirculation	female luer lock DIN EN ISO 8637, DIN EN ISO 8638	female luer lock	female luer lock
Cardioplegia	DIN EN ISO 8637, DIN EN ISO 8638		
Blood sample	female luer lock	female luer lock	female luer lock
Temperature	female luer lock	female luer lock	female luer lock
Vent port	female luer lock	female luer lock	female luer lock
Discharging		female luer lock	female luer lock
Materials			
	ABS, PC, PP, PU, PVC, stainless steel	ABS, PC, PP, PU, PVC, stainless steel	ABS, PC, PP, PU, PVC, stainless steel

	hilite MVC 4030	hilite MVC 1630	hilite MVC 0730
Venous hardshell reservoir			
Operating volume	300 - 4000 ml	50 - 1600 ml	50 - 700 ml
Venous blood flow	up to 7 l/min	up to 3 l/min	up to 1.2 l/min
Cardiotomy blood flow	up to 4 l/min	up to 2 l/min	up to 0.9 l/min
Cardiotomy filtration	40 µm	40 µm	40 µm
Port configuration			
Venous inlet, defoamed	1/2", 360° rotatable	3/8"	1/4"
Luer lock inlet, defoamed	2x female luer lock	2x female luer lock	2x female luer lock
Sucker, defoamed and filtered	6 x 1/4" - 3/8"	4 x 3/16" - 1/4" 2x 1/4"	4 x 3/16" - 1/4" 2x 1/4"
Quick prime, defoamed and filtered	1/4", 3/8"	1/4"	1/4"
Luer lock, defoamed and filtered	4x female luer lock	4x female luer lock	4x female luer lock
Recirculation, defoamed and filtered	1/4", DUNI		
Vent	1/4"	1/4"	1/4"
Luer lock	2x female luer lock	2x female luer lock	2x female luer lock
Venous outlet	3/8"	1/4"	3/16"-1/4"
Vacuum relief valve			
Positive pressure	< 5 mmHg	< 5 mmHg	< 5 mmHg
Negative pressure	-150 mmHg +/- 50	-150 mmHg +/- 50	-150 mmHg +/- 50
Materials			
	ABS, PC, PET, PP, PU, PVC, SI, stainless steel	ABS, PC, PET, PP, PU, PVC, SI, stainless steel	ABS, PC, PET, PP, PU, PVC, SI, stainless steel

Ordering Information

hilite 7000, blood in-/outlet opposite	ME 6202 0001
hilite 7000 System, blood in-/outlet opposite, with adapted reservoir	ME 6202 0002
hilite 7000, blood in-/outlet same side	ME 6202 0061
hilite 7000 System, blood in-/outlet same side, with adapted reservoir	ME 6202 0062
hilite 2800	ME 6205 0001
hilite 2800 System with adapted reservoir	ME 6205 0002
hilite 1000	ME 6208 0001
hilite 1000 System with adapted reservoir	ME 6208 0002

Accessory

Holder for hilite 7000	ME ZH 0000
Holder for hilite 7000 System	ME ZH 0018
Holder for hilite 2800/ hilite 1000	ME ZH 0502
Holder for hilite 2800 System/ hilite 1000 System	ME ZH 0R 5002
Water coupling for hilite 7000, straight	ME ZW02 0005
Water coupling for hilite 7000, 90° bent	ME ZW02 0006
Water coupling for hilite 2800/ hilite 1000, straight, tubing connector	ME ZW05 0005
Water coupling for hilite 2800/ hilite 1000, 90° bent, tubing connector	ME ZW05 0006
Water coupling for hilite 2800/ hilite 1000, straight, 3/8" hansen connector	ME ZW05 0007
Water coupling for hilite 2800/ hilite 1000, 90° bent, 3/8" hansen connector	ME ZW05 0008
Temperature probe	ME 4700